

LEGACY DRIVERS (HASP4)

Document purpose

This article explains how to retain legacy HASP/Hardlock drivers when upgrading to the newer or latest version of Sentinel LDK Run-time Environment (a.k.a. RTE).

Situation

If an upgrade to RTE v10.1x (or later) is performed on RTE version equal to or earlier than 7.92, legacy drivers (e.g. hardlock.sys) would be removed during the process.

Workaround

To avoid this situation, do not directly upgrade from v7.92 (or earlier) to v10.1x (or newer). Instead, perform an intermediate installation of v8.31, e.g. RTE v7.92 -> RTE v8.31 -> RTE v10.13.

Installation of RTE v8.31

Unzip the command line installer found on [KB0025777](#), then on cmd.exe run it with the switches below to install it.

```
haspdinst.exe -kp -fss -i -ld
```

The legacy HASP / Hardlock driver (**hardlock.sys**) is no longer installed as part of the Run-time Environment.

Run-Time package v8.31 is the last version that supports the legacy HASP / Hardlock driver. The "**hardlock.sys**" driver is required when an application is licensed using **HASP4, HASP HL 1.x or old Hardlock library**.

In these situations, you must install RTE 8.31 or earlier, please use the attached package as follows:

> Make use of "**Install.bat**" provided in the archive (Sentinel_LDK_Run-time_cmd_line-v8.31.zip) to uninstall current RTE and install RTE with Legacy Driver.

OR

> Go through manual steps:

1. Save the attached package and unzip it
2. Open CMD Prompt Window with Admin permission
3. Locate the package and type the following command to remove existing / newer Drivers Packages:

```
haspdinst.exe -kp -fss -purge
```

4. Run the following command to install the RTE 8.31 and Legacy Drivers

```
haspdinst.exe -kp -fss -i -ld
```